



## WATER LINE INSTALLATION FIELD SECTION 603

**603.1 Scope.** To establish procedures for inspecting, sampling and reporting cast iron pipe, ductile iron pipe, polyvinyl chloride pipe, copper water tube and the fittings and appurtenances necessary for water line installation. Portland cement concrete and reinforcing steel shall be inspected, sampled and reported in accordance with the applicable sections of this Manual and the Construction Manual.

### **603.2 Apparatus.**

- (a) Micrometer or vernier caliper capable of measuring to 0.0001 in. [0.00254 mm] and accurate to within at least 0.001 in. [0.0254 mm].
- (b) Rule with suitable graduations to accurately measure the material to be inspected.
- (c) Balance or scale accurate to within 0.5 percent of the weight [mass] of the sample to be weighed.

### **603.3 Procedure.**

**603.3.1 General.** The contractor is required to furnish manufacturer's certifications certifying that all of the specified tests have been performed and the materials and fittings comply with the requirements of the Specifications. These certifications shall be carefully checked by the inspector and such tests and checks as are necessary to verify the certifications shall be performed in the field.

**603.3.2 Inspection.** Inspection shall consist of routine physical tests such as wall thickness, diameter of pipe, weight per linear foot, or other physical properties as shown in the applicable specifications. Any identification or marking required shall be verified. A sufficient number of individual items shall be checked to verify the accuracy of the certifications.

**603.3.3 Sampling.** In general, no Laboratory samples are required for these materials. However, random samples of Type K copper water tube may be submitted to the Laboratory at the discretion of the District. These samples shall be a minimum of 18 inches [450 mm] in length. The inspector shall indicate on the identification sheet that the certifications have been examined and found to be applicable to the sample and show compliance with the Specifications.

**603.4 Report.** If the material is accepted on the basis of certifications and field inspection the material shall be reported through SiteManager. The report shall show all pertinent information regarding the material. The certification shall be retained in the district. The report is to indicate acceptance, qualified acceptance, or rejection. Appropriate remarks, as described in [General Sec 7.1.2](#) of this Manual, are to be included in the report to clarify conditions of acceptance or rejection.

